

CLAIM AMENDMENTS

Please amend the claims as follows:

1. (Currently Amended) An electric camshaft adjuster for adjusting and securing ~~the a~~ phase angle of a camshaft of an internal combustion engine with respect to a crankshaft, comprising:

a drive wheel which is connected fixedly in terms of rotation to the crankshaft,

an output component which is fixed to the camshaft, ~~and~~

a harmonic drive having at least one ring gear-spur gear pairing, the at least one ring gear-spur gear pairing having a first ring gear connected fixedly in terms of rotation to the drive wheel, and ~~the a~~ spur gear having at least a torque-transmitting connection to the output component, the spur gear being embodied as an elastic sleeve and arranged at least partially within the first ring gear, ~~and~~

a wave generator which is driven by an electric adjustment motor by means of an adjustment shaft which is fixed to the wave generator, the wave generator has means for elliptically deforming the elastic sleeve, causing a torque-transmitting connection to form between the first ring gear and the elastic sleeve at two points on the elastic sleeve lying opposite one another, wherein the first ring ~~gears~~ gear is formed in one piece with the drive wheel or ~~the~~ output component.

2. (Currently Amended) An electric camshaft adjuster for adjusting and securing ~~the a~~ phase angle of a camshaft of an internal combustion engine with respect to a crankshaft, comprising:

a drive wheel which is connected fixedly in terms of rotation to the crankshaft,
an output component which is fixed to the camshaft, and
a harmonic drive having at least one ring gear-spur gear pairing, the at least
one ring gear-spur gear pairing having a first ring gear connected fixedly in terms
of rotation to the drive wheel, and ~~the~~ a spur gear having at least a torque-
transmitting connection to the output component, the spur gear being embodied as
an elastic sleeve and arranged at least partially within the first ring gear, and

a wave generator which is driven by an electric adjustment motor by means of
an adjustment shaft which is fixed to the wave generator, the wave generator has
means for elliptically deforming the elastic sleeve, ~~the sleeve is deformed~~ causing a
torque-transmitting connection to form between the first ring gear and the elastic
sleeve at two points on the elastic sleeve lying opposite one another,

wherein the means for elliptically deforming the elastic sleeve is two bearing
journals which are attached to the adjustment shaft and bear against two regions of
the elastic sleeve lying opposite one another, a roller bearing being arranged on
each of said bearing journals.

3. (Currently Amended) The camshaft adjuster according to one of Claims 1 or 2,
wherein the elastic sleeve is of pot-shaped design.

4. (Previously Presented) The camshaft adjuster according to one of Claims 1 or 2, wherein a second ring gear is arranged in the axial direction next to the first ring gear and coaxially with respect thereto, the elastic sleeve is arranged at least partially within the second ring gear and enters into a torque-transmitting connection with the second ring gear at two points lying opposite one another.
5. (Previously Presented) The camshaft adjuster according to one of Claims 1 or 2, wherein the torque-transmitting connection between the first ring gear and the elastic sleeve is implemented by means of an external toothed engagement of the elastic sleeve which engages in an internal toothed engagement of the first ring gear, and the number of teeth of the internal toothed engagement of the first ring gear differs from the number of teeth of the external toothed engagement of the elastic sleeve.
6. (Previously Presented) The camshaft adjuster according to one of Claims 1 or 2, wherein the torque-transmitting connection between the first ring gear and the elastic sleeve is implemented in a frictionally locking fashion by means of the interaction of the smooth internal lateral face of the first ring gear and the smooth external lateral face of the elastic sleeve.
7. (Previously Presented) The camshaft adjuster according to one of Claims 1 or 2, wherein the electric adjustment motor is a brushless DC motor (BLDC motor) which is operated in bipolar fashion and has a stator fixed to the cylinder head and a rare earth magnet.

8. (Previously Presented) The camshaft adjuster according to Claim 7, wherein a motor shaft of the BLDC motor and the adjustment shaft are connected by means of a rotationally fixed but radially movable or resilient coupling, which is embodied as a polymer coupling.
9. (Previously Presented) The camshaft adjuster according to one of Claims 1 or 2, wherein a stop ring is attached to the drive wheel and has a lug which engages in a corresponding, annular-segment-shaped cut-out, which limits the adjustment angle, of the output component.
10. (Previously Presented) The camshaft adjuster according to one of Claims 1 or 2, wherein a securing ring, whose external diameter corresponds at least to the tooth head diameter of the first ring gear, can be pressed into the tooth head diameter of the first ring gear.
11. (Previously Presented) The camshaft adjuster according to one of Claims 1 or 2, wherein at least the adjustment shaft can have cut-outs for the purpose of reducing the weight.
12. (Canceled)
13. (Previously Presented) The camshaft adjuster according to one of Claims 1 or 2, wherein the harmonic drive is fabricated in a non-material-removing fashion.

14. (Previously Presented) The camshaft adjuster according to Claim 5, wherein the harmonic drive is fabricated in a non-material-removing fashion, and the toothings are subsequently hardened or nitrated.

15. (Previously Presented) The camshaft adjuster according to Claim 1, wherein the means for elliptically deforming the elastic sleeve is a wave ring with an elliptical external circumference and an elliptically deformed roller bearing attached thereto.

16. (Previously Presented) The camshaft adjuster according to Claim 5, wherein the means for elliptically deforming the elastic sleeve is a wave ring with an elliptical external circumference and an elliptically deformed roller bearing attached thereto, and an external ring of the roller bearing and the elastic sleeve are embodied in one piece.

17. (Previously Presented) The camshaft adjuster according to Claim 15, wherein the elliptical wave ring and the internal ring of the roller bearing are embodied in one piece.

18. (Previously Presented) The camshaft adjuster according to Claim 2, wherein the bearing journals are rotatably attached to the adjustment shaft using an eccentric fastening means and can be secured in a desired rotational angle position.

19. (Previously Presented) The camshaft adjuster according to Claim 2, wherein the roller bearings have eccentrically formed internal rings which can be pressed onto the bearing journals in a desired rotational angle position.

20. (Previously Presented) The camshaft adjuster according to one of Claims 1 or 2, wherein all or some of the camshaft adjuster components are manufactured by means of stamped packetization.